

BISOL Premium Series

Multicrystalline PV Modules / BMU 245-265 Wp



Made in EU



Strictly positive power output tolerances



Lightweight - 18.5 kg



All relevant certificates



Module presorting for a more profitable investment



Extremely low degradation



Module efficiency up to 16.2%



13% higher real-life performance v standard



Excellent performance in low light conditions

Certificates:



AS5033 compliant



10-year product warranty

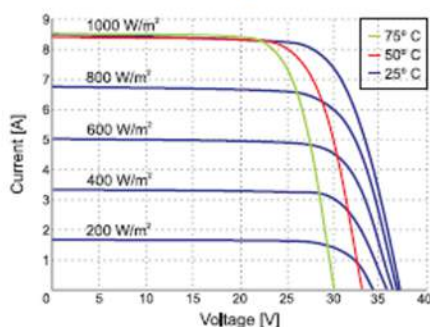


12 years on 90% power output

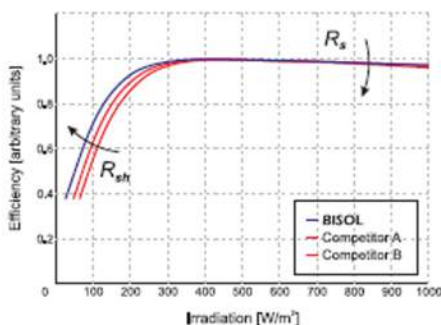


25 years on 80% power output

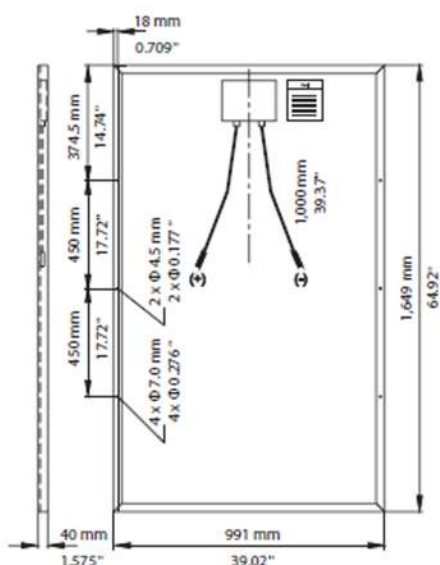
I-V Curve at Various Irradiation Levels and Various Cell Temperatures



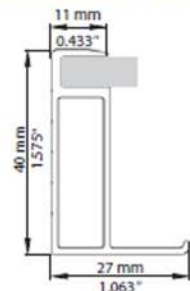
Effective Efficiency



Dimensions



Frame cross section



Electrical Specifications @ STC (AM1.5, 1,000 W/m², 25 °C):

Module Type		BMU-245	BMU-250	BMU-255	BMU-260	BMU-265
Nominal Power	P_{MPP} [W]	245	250	255	260	265
Short Circuit Current	I_{SC} [A]	8.65	8.75	8.85	8.90	9.00
Open Circuit Voltage	V_{OC} [V]	38.1	38.4	38.7	39.0	39.3
MPP Current	I_{MPP} [A]	8.15	8.25	8.35	8.40	8.50
MPP Voltage	V_{MPP} [V]	30.2	30.3	30.5	30.9	31.2
Solar Cell Efficiency	η_C [%]	16.8	17.1	17.5	17.8	18.1
Module Efficiency	η_M [%]	15.0	15.3	15.6	15.9	16.2
Power Output Tolerance		0/+5 W				
Maximum Reverse Current		13 A				
Maximum System Voltage		1,000 V (Application Class A)				

Additional power classes available upon request. Efficiency at irradiation 200 W/m² decreases to 95.7 % of efficiency at STC.

Electrical Specifications @ NOCT (AM1.5, 800 W/m², Cell Temperature 44 °C):

Module Type		BMU-245	BMU-250	BMU-255	BMU-260	BMU-265
Nominal Power	P_{MPP} [W]	181	185	189	192	196
Short Circuit Current	I_{SC} [A]	7.00	7.08	7.15	7.20	7.28
Open Circuit Voltage	V_{OC} [V]	34.8	35.1	35.3	35.6	35.9
MPP Current	I_{MPP} [A]	6.57	6.68	6.76	6.81	6.88
MPP Voltage	V_{MPP} [V]	27.6	27.7	27.9	28.2	28.5

Thermal Specifications:

Current Temperature Coefficient	α	+ 4.9 mA/°C
Voltage Temperature Coefficient	β	- 121 mV/°C
Power Temperature Coefficient	γ	- 0.40 %/°C
NOCT		44 °C
Temperature range		-40 °C to +85 °C

Mechanical Specifications:

Length x Width x Thickness	1,649 mm x 991 mm x 40 mm (64.92" x 39.02" x 1.575")
Weight	18.5 kg (40.79 lbs)
Solar Cells	60 multi c-Si in series / 156 mm x 156 mm (6+)
Junction Box / Connectors	TE Connectivity with three bypass diodes - IP67 / PV4 (MC4 compatible) - IP68
Frame	Anodized AL with drainage holes / rigid anchored corners
Glass	3.2 mm tempered glass / high-transparency / low-iron content
Packaging	16 or 25 modules per pallet / stackable 3 pallets high
Certified Nominal Load	5,400 Pa
Impact resistance	Hailstone / Φ 25 mm / 83 km/h (51 mph)

Official distributor:



www.gpceurope.com
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Dealer Information

www.bisol.com

